

IN THE CLAIMS

Please amend claims 1, 13, 24, 38, 46, 55 and 60 as follows:

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1. (Amended) A wearable computer for use in a process environment having a process control system including a plurality of process control devices disposed within the process and external to the wearable computer, the wearable computer comprising:

- a processing unit;
- a computer readable memory;
- a heads up display;
- an input device that provides an input signal to the processing unit; and
- a software routine stored in the computer readable memory and run on the processing unit that processes the input signal and provides process information generated by one or more of the plurality of process control devices during operation of the process to the process control system via the heads up display.

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13. (Amended) A wearable computer for use in a process control environment having a process control system including a plurality of process control devices disposed within the process and external to the wearable computer, the wearable computer comprising:

- a processing unit;
- a memory;
- an imaging device that produces an image signal;
- an image processor that processes the image signal to identify one of the devices based on a device feature; and
- a software routine stored in the memory and adapted to be executed on the processing unit to provide process information generated by one or more of the plurality of process control devices during operation of the process.

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24. (Amended) A device identification unit adapted for use on a wearable computer having a processor and an imaging device that produces an image signal, where the wearable computer is adapted for use in a process control system including a plurality of

process control devices disposed within a process and external to the wearable computer, the device identification unit comprising:

a memory; and

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a software routine stored in the memory and adapted to be executed on the processor to process the image signal to identify a device based on a device feature, and to provide process information generated by one or more of the plurality of process control devices during operation of the process.

38. (Amended) A wearable computer system for use in testing a process control system including a plurality of process control devices disposed within a process and external to the wearable computer, the wearable computer comprising:

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a processing unit;

a computer readable memory;

an input device adapted to produce an input signal;

a remote communication device that communicates with the process control system;

and

a software routine run on the processing unit that processes the input signal to develop a change signal indicating a change to be made in a process signal within the process control system and that communicates the change signal to the process control system via the remote communication device to thereby cause a change to be made to the process signal, where the process signal indicates a characteristic of the process during normal operation of the process.

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46. (Amended) A process control testing unit adapted for use in a process control system including a plurality of process control devices disposed within the process and external to a wearable computer, where the process control testing unit communicates with the wearable computer having a processor, an input device that develops an input signal, a remote communication device that communicates with the process control system and a heads up display, the process control testing unit comprising:

a memory; and

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a software routine stored on the memory and adapted to be executed on the processor of the wearable computer to process the input signal so as to develop a change signal indicating a change to be made in a process signal within the process control system and to communicate the change signal to the process control system via the remote communication device to thereby cause the change to be made to the process signal, where the process signal indicates a characteristic of the process during normal operation of the process.

55. (Amended) An image viewing unit for use in a process control system including an operator workstation having an operator processing unit, an operator display and an operator remote communication device, and including a wearable computer having an imaging device that produces a first image, a portable display, a wearable remote communication device and a wearable processing unit, and a plurality of process control devices disposed within a process and external to the wearable computer, the image viewing unit comprising:

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a first computer readable memory having a first software routine stored therein, said first software routine capable of being implemented on the operator processing unit to perform the functions of;

receiving a second image from the wearable computer via the operator remote communication device, wherein the second image is derived from the first image,

displaying the second image on the operator display,

enabling an operator to make changes to the displayed second image to create a third image, and

sending the third image to the wearable computer via the operator remote communication device; and

a second computer readable memory having a second software routine stored therein, said second software routine capable of being implemented on the wearable processing unit to perform the functions of;

creating the second image from the first image by making graphical changes to the first image,

sending the second image to the operator workstation via the wearable remote communication device,

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could receiving the third image from the operator workstation via the wearable
remote communication device, and
displaying the third image on the portable display.

60. (Twice amended) A data storage/retrieval unit adapted for use in a
wearable computer adapted for use in a process control system including a plurality of
process control devices disposed within a process and external to the wearable computer, the
wearable computer having a processor, a microphone that produces a voice signal, an input
device that produces an input signal, a speaker and a heads up display, the data
storage/retrieval unit comprising:

a computer readable memory;

C7 a first software routine stored on the computer readable memory and adapted to be
executed on the processor of the wearable computer that identifies a process control device
based on a device feature captured by the input signal;

a second software routine stored on the computer readable memory and adapted to be
executed on the processor of the wearable computer that receives the voice signal from the
microphone and stores the received voice signal as being linked to the identified process
control device in a further memory associated with the wearable computer in response to a
first user input to store the received voice signal;

a third software routine stored on the computer readable memory and adapted to be
executed on the processor of the wearable computer that provides an indication via the heads
up display that a previously stored voice signal is available for the identified process control
device when the previously stored voice signal exists for the identified process control device
in the further memory and that plays the previously stored voice signal for the identified
process control device on the speaker in response to a second user input selecting the
previously stored voice signal for the identified process control device for retrieval; and

a fourth software routine stored on the computer readable memory and adapted to be
executed on the processor of the wearable computer that provides process information
generated by one or more of the plurality of process control devices during operation of the
process.
